

Set	Items	Description
S1	499324	(INTEGRAT?())CIRCUIT? OR ICCHIP? OR (MICROPROCESSOR? OR MICRO OR IC OR COMPUTER? OR SEMICONDUCTOR?)()CHIP? ? OR CIRCUIT? OR IC OR CHIP? ?)(3N)(DEVICE? OR MECHANISM? OR UNIT? ? OR CARD? ? OR CONTROLLER? OR APPARAT? OR ADAPTER? OR MODULE?)
S3	84215	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY? OR CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT? OR WEAR??? (1W)TEAR???)
S4	1926	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR INTELLIGENT?)(3N)(MONITOR? OR REGULAT? OR TEST??? OR CHECK? OR DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?))
S5	84215	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY? OR CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT? OR WEAR??? (1W)TEAR???)
S6	114724	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK OR WEAKEN? OR DECREAS? OR -DECREMEN? OR LESSEN? OR LOWER? OR WORSE? OR SLOWER?)
S7	497	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR INTELLIGENT?)(2N)(REPAIR? OR FIX OR FIXE? ? OR FIXING OR -PATCH? OR RESTOR? OR CORRECT? OR DEBUG? OR DE()BUG? ? OR RESTOR? OR REBUIL? OR ADJUST? OR MODIF?))
S8	50198	(ACCEPTAB? OR REASONAB? OR SATISFACTOR? OR ADMISSAB? OR PASSAB? OR PASS??? OR TOLER? OR ADEQUAT? OR SUFFICIENT?)(5N)(THRESHOLD? OR THRESHHOLD? OR BORDER? OR BOUNDAR??? OR LIMIT? OR RANG???)

? ds;show files;logoff hold

Set	Items	Description
S1	499324	(INTEGRAT?())CIRCUIT? OR ICCHIP? OR (MICROPROCESSOR? OR MICRO OR IC OR COMPUTER? OR SEMICONDUCTOR?)()CHIP? ? OR CIRCUIT? OR IC OR CHIP? ?)(3N)(DEVICE? OR MECHANISM? OR UNIT? ? OR CARD? ? OR CONTROLLER? OR APPARAT? OR ADAPTER? OR MODULE?)
S3	84215	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY? OR CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT? OR WEAR??? (1W)TEAR???)
S4	1926	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR INTELLIGENT?)(3N)(MONITOR? OR REGULAT? OR TEST??? OR CHECK? OR DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?))
S5	84215	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY? OR CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT? OR WEAR??? (1W)TEAR???)
S6	114724	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR ANALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR ASSESS? OR DISCOVER?)(5N)(DEGRAD? OR WEAK OR WEAKEN? OR DECREAS? OR -DECREMEN? OR LESSEN? OR LOWER? OR WORSE? OR SLOWER?)
S7	497	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR INTELLIGENT?)(2N)(REPAIR? OR FIX OR FIXE? ? OR FIXING OR -PATCH? OR RESTOR? OR CORRECT? OR DEBUG? OR DE()BUG? ? OR REST-

OR? OR REBUIL? OR ADJUST? OR MODIF?))
S8 50198 (ACCEPTAB? OR REASONAB? OR SATISFACTOR? OR ADMISSAB? OR PA-
SSAB? OR PASS??? OR TOLER? OR ADEQUAT? OR SUFFICIENT?) (5N) (TH-
RESHOLD? OR THRESHHOLD? OR BORDER? OR BOUNDAR??? OR LIMIT? OR
RANG???)

File 350:Derwent WPIX 1963-2008/UD=200807

(c) 2008 The Thomson Corporation

File 347:JAPIO Dec 1976-2007/Sep(Updated 080116)

(c) 2008 JPO & JAPIO

30jan08 12:18:23 User276825 Session D1110.2

Set	Items	Description
S1	7473	(UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR HIGH???) (2N)CO-NVER? OR (CONVER? OR MODIF? OR ALTER? OR CHANG?) (2N)FREQUEN?) - (5N)SIGNAL?
S2	67615	(REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR EXAMPL?) (- 3N)SIGNAL?
S3	6199	S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR CR-EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR MAKE? - OR MAKING? OR INITIAT? OR INTRODUC? OR MANUFACT?)
S4	1040	(TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN? OR A-NALY?) (7N)((TELECOMM? OR COMMUNICATION?) (2N)(TRANSCIVER? OR - RECEIVER?))
S5	99890	QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE? ?(2N)MODULA-T?
S6	25	S1 AND S3
S7	321	S1 AND S5
S8	11	S7 AND S2
S9	35	S6 OR S8
S10	31	RD (unique items)
S11	0	S1 AND S2:S3 AND S4 AND S5
S12	19	S10 AND PY=1978:2004
S13	0	S7 AND S4
S14	0	S1 AND S2 AND S4
File	2:INSPEC	1898-2008/Dec W5 (c) 2008 Institution of Electrical Engineers
File	6:NTIS	1964-2008/Jan W4 (c) 2008 NTIS, Intl Cpyrght All Rights Res
File	8:EI Compendex(R)	1884-2008/Jan W2 (c) 2008 Elsevier Eng. Info. Inc.
File	34:SciSearch(R)	Cited Ref Sci 1990-2008/Jan W3 (c) 2008 The Thomson Corp
File	35:Dissertation Abs Online	1861-2007/Oct (c) 2007 ProQuest Info&Learning
File	56:Computer and Information Systems Abstracts	1966-2008/Dec (c) 2008 CSA.
File	60:ANTE: Abstracts in New Tech & Engineer	1966-2008/Dec (c) 2008 CSA.
File	62:SPIN(R)	1975-2008/Jan W1 (c) 2008 American Institute of Physics
File	65:Inside Conferences	1993-2008/Jan 25 (c) 2008 BLDSC all rts. reserv.
File	95:TEME-Technology & Management	1989-2008/Jan W2 (c) 2008 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs	1983-2007/Nov (c) 2007 The HW Wilson Co.
File	111:TGG Natl.Newspaper Index(SM)	1979-2008/Jan 10 (c) 2008 The Gale Group
File	144:Pascal	1973-2008/Jan W2 (c) 2008 INIST/CNRS

File 239:Mathsci 1940-2008/Feb
 (c) 2008 American Mathematical Society
File 256:TecInfoSource 82-2008/Oct
 (c) 2008 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c). 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group

Set	Items	Description
S1	499324	(INTEGRAT?())CIRCUIT? OR ICCHIP? OR (MICROPROCESSOR? OR
MIC-		RO OR IC OR COMPUTER? OR SEMICONDUCTOR?)()CHIP? ? OR
CIRCUIT?		OR IC OR CHIP? ?)(3N)(DEVICE? OR MECHANISM? OR UNIT? ? OR
CAR-		D? ? OR CONTROLLER? OR APPARAT? OR ADAPTER? OR MODULE?)
S2	1926	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR
INTUIT?		OR INTELLIGENT?)(3N)(MONITOR? OR REGULAT? OR TEST??? OR
CHEC-		K? OR DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?))
S3	84215	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN?
OR A-		NALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR
ASSESS?		OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY?
OR		CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT?
OR		WEAR??? (1W) TEAR???)
S4	114724	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN?
OR A-		NALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR
ASSESS?		OR DISCOVER?)(5N)(DEGRAD? OR WEAK OR WEAKEN? OR DECREAS?
OR -		DECREMEN? OR LESSEN? OR LOWER? OR WORSE? OR SLOWER?)
S5	497	S1(7N)((SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR
INTUIT?		OR INTELLIGENT?)(2N)(REPAIR? OR FIX OR FIXE? ? OR FIXING
OR -		PATCH? OR RESTOR? OR CORRECT? OR DEBUG? OR DE()BUG? ? OR
REST-		OR? OR REBUIL? OR ADJUST? OR MODIF?))
S6	50198	(ACCEPTAB? OR REASONAB? OR SATISFACTOR? OR ADMISSAB? OR
PA-		SSAB? OR PASS??? OR TOLER? OR ADEQUAT? OR
SUFFICIENT?)(5N)(TH-		RESHOLD? OR THRESHHOLD? OR BORDER? OR BOUNDAR??? OR LIMIT?
OR		RANG???)
S7	1	S2 AND S5 AND S6
S8	42658	(SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR
IN-		TELLIGENT?)(2N)(MONITOR? OR REGULAT? OR TEST??? OR CHECK?
OR -		DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?)(3N)(DEVICE?
OR M-		ECHANISM? OR UNIT? ? OR CARD? ? OR CONTROLLER? OR APPARAT?
OR		ADAPTER? OR MODULE?)
S9	11217	S8(5N)(AFFIX? OR EMBED? OR CONNECT? OR LINK??? OR
ATTACH? -		OR LOCAT? OR POSIT? OR HAS OR CONTAIN? OR INCLU?)
S10	1500	S1 AND S9

S11 415 S10 AND CONTROLLER?
S12 84 S11 AND COMPAR?
S13 10 S12 AND S3:S4
S14 9 S13 NOT S7
S15 68 S10 AND (SELFTTEST? OR SELF()TEST??? OR SELFCHK? OR
SELF(-
)CHK?) (2N)CONTROLLER?
S16 8 S15 AND S3:S4
S17 6 S16 NOT (S7 OR S14)
S18 119 S1 AND S3:S4 AND S6
S19 8 S18 AND S8
S20 6 S19 NOT (S7 OR S14 OR S17)
S21 8 S1 AND S8 AND S3:S4 AND S6
S22 4 S5 AND S6
S23 11 S21:S22
S24 3 S23 NOT (S7 OR S14 OR S17 OR S20)
S25 98737 (SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR
IN-
TELLIGENT?) (2N) (REPAIR? OR FIX OR FIXE? ? OR FIXING OR
PATCH?
OR RESTOR? OR CORRECT? OR DEBUG? OR DE()BUG? ? OR RESTOR?
OR -
REBUIL? OR ADJUST? OR MODIF?)
S26 120 S1 AND (SELFTTEST? OR SELF()TEST??? OR SELFCHK? OR
SELF() -
CHK?) (2N)CONTROLLER?
S27 12 S26 AND S25
S28 11 S27 NOT (S7 OR S14 OR S17 OR S20:S24)
S29 7 S3:S4 AND S8 AND S25 AND S6
S30 5 S29 NOT (S7 OR S14 OR S17 OR S20:S24 OR S27:S28)
S31 4 S1 AND S8 AND S25 AND S6
S32 9 S30:S31
S33 7 S32 NOT (S7 OR S14 OR S17 OR S20:S24 OR S27:S28)
File 350:Derwent WPIX 1963-2008/UD=200807
(c) 2008 The Thomson Corporation
File 347:JAPIO Dec 1976-2007/Sep(Updated 080116)
(c) 2008 JPO & JAPIO

Set	Items	Description
S1	203100	(INTEGRAT?())CIRCUIT? OR ICCHIP? OR (MICROPROCESSOR? OR
MIC-		RO OR IC OR COMPUTER? OR SEMICONDUCTOR?)()CHIP? ? OR
CIRCUIT?		OR IC OR CHIP? ?)(3N)(DEVICE? OR MECHANISM? OR UNIT? ? OR
CAR-		D? ? OR CONTROLLER? OR APPARAT? OR ADAPTER? OR MODULE?)
S2	109037	(SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR
IN-		TELLIGENT?)(3N)(MONITOR? OR REGULAT? OR TEST??? OR CHECK?
OR -		DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?)
S3	93745	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN?
OR A-		NALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR
ASSESS?		OR DISCOVER?)(5N)(DEGRAD? OR WEAK??? OR WEAKEN? OR DECAY?
OR		CORROD? OR IMPAIR? OR FAIL??? OR DETERIOR? OR DISINTEGRAT?
OR		WEAR??? (1W)TEAR???)
S4	172089	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN?
OR A-		NALY? OR DETERMIN? OR IDENT? OR DIAGNOS? OR COMPAR? OR
ASSESS?		OR DISCOVER?)(5N)(DEGRAD? OR WEAK OR WEAKEN? OR DECREAS?
OR -		DECREMEN? OR LESSEN? OR LOWER? OR WORSE? OR SLOWER?)
S5	81859	(SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR
IN-		TELLIGENT? OR R)(2N)(REPAIR? OR FIX OR FIXE? ? OR FIXING
OR P-		ATCH? OR RESTOR? OR CORRECT? OR DEBUG? OR DE()BUG? ? OR
RESTO-		R? OR REBUIL? OR ADJUST? OR MODIF?)
S6	135236	(ACCEPTAB? OR REASONAB? OR SATISFACTOR? OR ADMISSAB? OR
PA-		SSAB? OR PASS??? OR TOLER? OR ADEQUAT? OR
SUFFICIENT?)(5N)(TH-		RESHOLD? OR THRESHHOLD? OR BORDER? OR BOUNDAR??? OR LIMIT?
OR		RANG???)
S7	22877	(SELF OR ITSELF OR DYNAMIC? OR AUTOMATIC? OR INTUIT? OR
IN-		TELLIGENT?)(2N)(MONITOR? OR REGULAT? OR TEST??? OR CHECK?
OR -		DIAGNOS? OR DETERMIN? OR ASSESS? OR DETECT?)(3N)(DEVICE?
OR M-		ECHANISM? OR UNIT? ? OR CARD? ? OR CONTROLLER? OR APPARAT?
OR		ADAPTER? OR MODULE?)
S8	5422	S7(5N)(AFFIX? OR EMBED? OR CONNECT? OR LINK??? OR
ATTACH? -		OR LOCAT? OR POSIT? OR HAS OR CONTAIN? OR INCLU?)
S9	6	S1(100N)S7:S8(100N)S2(100N)S3:S4(100N)S5(100N)S6
S10	6	S7:S8(100N)S2(100N)S3:S4(100N)S5(100N)S6

S11 8 S9:S10
S12 442 S1(100N)S8
S13 256 S12 AND (INTEGRAT?())CIRCUIT? OR IC)
S14 256 S13(100N)S7:S8
S15 256 S14(100N)S8
S16 15 S15(100N)S5
S17 12 S16 NOT S9:S11
S18 18 S2(100N)S3:S4(100N)S5(100N)S6
S19 12 S18 NOT (S11 OR S17)
File 348:EUROPEAN PATENTS 1978-2007/ 200804
(c) 2008 European Patent Office
File 349:PCT FULLTEXT 1979-2008/UB=20080117UT=20080110
(c) 2008 WIPO/Thomson